Air Force Materiel Command

War-Winning Capabilities … On Time, On Cost

Remanufacturing/ Major Mods Workshop Aug 04

U.S. AIR FORCE

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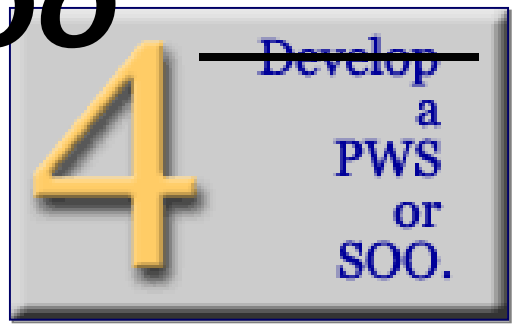
Integrity - Service - Excellence

~~Develop~~ Change a SOW or SOO



CHANGE

PWS

- **Conduct an analysis.**
- **Apply the "so what?" test.**
- **Capture the results of the analysis in a matrix.**
- **Write the performance work statement.**
- **Let the contractor solve the problem, including the lab mix.**

SOO

- **Begin with the acquisition's "elevator message."**
- **Describe the scope.**
- **Write the performance objectives into the SOO.**
- **Make sure the government and the contractor share objectives.**
- **Identify the constraints.**
- **Develop the background.**

In the beginning…..

- **Do I want to make this PBSA? Is it already PBSA?**
- **What is SAF's policy?**
- **What is my center's policy?**
- **Things to consider**
  - Is it one of the exceptions to PBSA?
  - Contract length
  - Contract value
  - Contract type
- IDIQ/BPAs
  - Basic effort vs. orders
  - Meeting the Intent
  - Documents
  - Documentation
  - DD 350 coding
- Contracts
  - Meeting the Intent DD350 coding
  - Documents

Issues…

- **Service or supply**
  - **Consistency**
- **Measurable Outcomes and Regs/AFIs etc**
  - Safety, Security, Environmental
- **IG Inspections**

A MUST!!!

Example 1

1.1.1 This Performance Work Specification is for remanufacturing the Advanced Interference Blanker Unit (AIBU). This remanufacturing consists of major overhaul including complete or substantial tear-down into component parts. This tear-down includes reworking or replacing most parts in the AIBU. Reusable disassembled AIBU components shall be used as replacement components for restoring functionality of other AIBUs. These reusable components are not required to maintain the end item identification. The AIBU parts shall be reassembled so as to furnish a totally rebuilt item. The remanufacturing processes used by the contractor shall bring service life back to the reconditioned AIBU that would resemble the originally manufactured item. The AIBUs are restored to a nearly new condition (but not necessarily cosmetically new) in a facility owned and/or operated by the contractor.

Example 1

3.1.1 The contractor shall receive, inspect, disassemble, test, fault isolate, remanufacture, or update to the latest approved configuration each item, when applicable, to restore the item(s) to a serviceable operating condition but not like new cosmetically.

3.1.2 Replacement parts and materials shall be IAW section IV. In the event that a deviation from the technical data is required and the contractor desires the use of a substitute part, an approval request in letterform shall be submitted to the ACO/CO, who will obtain the appropriate engineering office determination and respond accordingly.

3.1.3 Reworked component parts of the item shall meet serviceable criteria IAW section IV.

3.1.4 Serviceable precision matched or mated component parts shall be handled in a manner to ensure their reinstallation as a matched set.

3.1.5 Maintenance on remanufactured items and components shall be accomplished using only current government approved technical data.

Example 1

DISASSEMBLY: The contractor shall disassemble each item only to the extent necessary to accomplish inspection, testing, fault isolation, and maintenance.

3.2.2 CLEANING: The contractor shall clean the items thoroughly prior to and after disassembly, and maintain cleanliness during this maintenance effort. Reference T.O. 1-1-689 and MIL-STD-454. Safety, Security, Environmental? Is the total TO and Mil Std relevant?

T.O. 00-5-1 AF Technical Order Systems

T.O. 00-5-2 AF Technical Order Distribution Syste

T.O. 00-25-234 General Shop Practices Require for the Remanufacture, Maintenance and Test of Electronic Equipment.

T.O. 1-1-689 Avionics Cleaning and Corrosion Control

T.O. 1-1-691 Aircraft Weapon System Cleaning and

Example 1

QASP

CUSTOMER COMPLAINT

The QAP will review and document all complaints along with resolution of such complaints with the documentation becoming a permanent part of the QAP surveillance records. Valid complaints

AFI 63-124 defines the roles and responsibilities to include:

a. Installation Commander
b. Chief of AF Contracting
c. Functional Directors/Commanders (FD/FC)
d. Contracting Officers (CO)
e. Quality Assurance Personnel (QAP)
f. Quality Assurance Program Coordinator
g. Contractor

Cute, but sneaky

Is there a performance plan?
Remedies?

Example 2

STATEMENT OF OBJECTIVES
1.0 PROGRAM OBJECTIVES
The objective of this program is to redesign the Aft Seat Heads Up Display Monitor (ASHM) within a competitive atmosphere. The ASHM is a lightweight, ruggedized video display, which presents an image of the Head-up display symbology. The ASHM is mounted on top of the glareshield in the F-16 aft crew station. The purpose of this effort is to replace the existing F-16 Aft Seat HUD Monitor with a more reliable, longer life and with a ten-year warranty. The new ASHM will be Night Vision Imagery (NVIS) capable. All Non-Reoccurring Engineering costs are to be spread over the total cost of the 175 units to be delivered.
The contractor shall:
Activities under this contract will entail the redesign of the Aft Seat Heads Up Display Monitor (ASHM) to replace the following Part Numbers and National Stock Numbers.

Part Number	National Stock Number
146240-7, -9 etc	1270-01-279-4724 etc

- **The redesign should be Form Fit Function Interface (F3I) based on**

Example 2

OTHER PUBLICATIONS

Manual/Regulations

MIL-HDBK-217F Reliability Prediction of Electronic Equipment

Notice 2 28 Feb 1995

MIL-HDBK-344A Environmental Stress Screening (ESS) of Electronic Equipment

16 Aug 1993

Example 2

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Example 3

SDS #	Performance Objective	SOW Para.	Performance Threshold	Method of Surveillance
2.1	Asset testing completed within 3 months of DO receipt	1 3.2	Testing completed within 6 months of DO receipt	LMS will monitor DO status
2.2	Test results report submitted within 30 days after test completion	3.3	Test report submitted within 10 days of stated requirement	LMS will monitor DO status and report submittal. Engineer will review report for content and adequacy

No accuracy

If the objective is 3 months, why is the threshold 6?

Performance Standard is missing
How, when?

Where is the contract performance measured? AFI 63-124 requirem

Questions